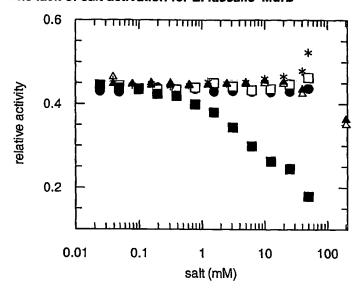
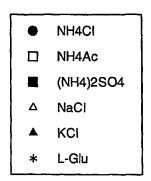


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Figure 1

The lack of salt activation for E. faecalis MurD



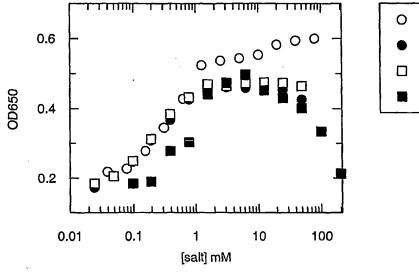


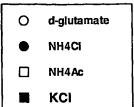


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Figure 2

Salt activation of *S. aureus* MurD



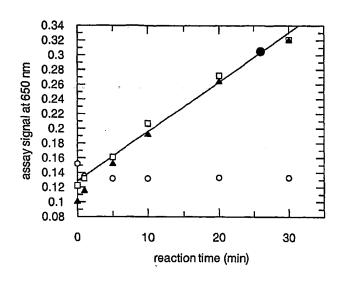


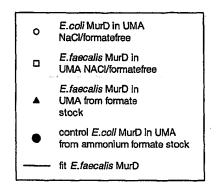


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Figure 3

E. coli enzyme activity is dependent on ammonium formate



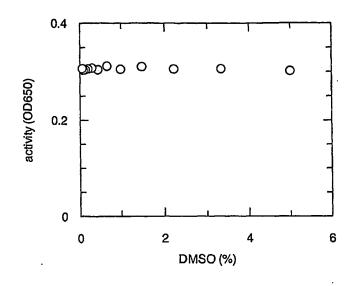




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Figure 4

DMSO dependence of *E. faecalis* MurD



O E. faecalis MurD DMSO dependence

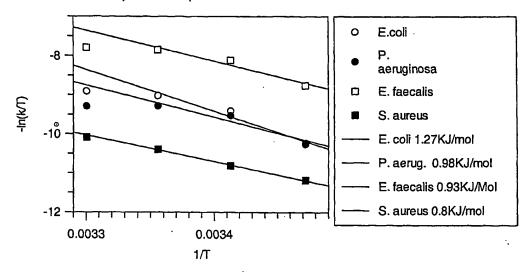


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Figure 5

Temperature dependence of MurD orthologs

This Graph (Eyring Plot) shows the activation enthalpies for all for orthologs. The higher this value the more temperature dependent the reaction rate.





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Figure 6
pH dependence of MurD orthologs

(a)

